

Technical Data Sheet

Purell 2410T

Low Density Polyethylene

Product Description

Purell 2410T is low-density polyethylene grade with a good combination of flowability and softness. The grade is used by our customers for all types of injection moulded applications in the healthcare market.

Application	Caps & Closures (Healthcare); Healthcare Applications; Medical Devices
Market	Healthcare; Rigid Packaging
Processing Method	Injection Molding
Attribute	Ethylene Oxide Sterilisation; Fast Cycle (Production); High Flow; Low Density

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	36	g/10 min	ISO 1133-1
Density	0.924	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	280	MPa	ISO 527-1, -2
Tensile Stress at Yield	11	MPa	ISO 527-1, -2
Environmental Stress Crack Resistance	0.5	hr	ASTM D1693
Hardness			
Shore Hardness, (Shore D)	49		ISO 868
Ball Indentation Hardness, (H 49/30)	18	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A/50)	89	°C	ISO 306
Peak Melting Point	112	°C	ISO 11357-3